

NEW COMBINATION AND SPECIES IN *AUSTROSTEENISIA* GEESINK (FABACEAE-MILLETIEAE)

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Summary

A new combination *Austrosteenisia stipularis* (C. White) Jessup is made and a new species *Austrosteenisia glabristyla* Jessup is described.

The genus *Austrosteenisia* was recently described by Geesink (1984) to encompass the two Australian species formerly placed by Polhill (1971) under *Kunstleria*, *K. blackii* (F. Muell.) Polhill and *K. stipularis* (C. White) Polhill. The necessary new combination for the second species follows:

***Austrosteenisia stipularis* (C. White) Jessup, comb. nov.**

Lonchocarpus stipularis C. White, Contributions from the Arnold Arboretum of Harvard University 4: 45-46 (1933). *Kunstleria stipularis* (C. White) Polhill, Kew Bulletin 25(2): 265 (1971). **Typus:** Lake Barrine, Atherton Tableland, 8 Nov 1929, S.F. Kajewski 1348 (BRI, holo).

A third species which occurs in south-eastern Queensland and north-eastern New South Wales and known to local botanists for several years (*vide* Williams & Harden 1980) as *Kunstleria* sp. but rarely seen in flower or fruit is here described.

***Austrosteenisia glabristyla* Jessup, sp. nov.** affinis *A. blackii* et *A. stipularis*; *ab illa foliis oblongibus et numerosis fructibus brevioribus differt ab hoc stipellis praesentis, et ab ambobus stylis glabris.* **Typus:** Queensland: Picnic Rock Track, Lamington National Park, 10 Jan 1984, L.W. Jessup 581 & A.E. Daly (holotypus BRI; isotypi BRI, CANB, K, L, MEL, MO, NE, NSW).

Tall woody climber. Innovations densely covered with \pm appressed and erect golden brown silky hairs, glabrescent. Leaves 5-20 cm long, discolorous; stipules ovate, peltate, ciliate, 10-14 mm \times 6-8 mm; stipellae setaceous, 2-5 mm long; leaflets 9-15, opposite or subopposite with a terminal one, oblong-lanceolate to oblong-oblancheolate, 2.5-10 cm \times 0.7-3.3 cm, increasing in size distally, acuminate with a fragile 1-2 mm long mucro; base acute to rounded; secondary veins mostly 7-9 pairs; higher order venation finely reticulate. Panicles to 20 cm long. Calyx 3-5 mm long, lobes imbricate. Standard depressed ovate, retuse, strongly reflexed, blade 4.5-5 mm \times 6.5-7 mm, claw 2 mm long; wings 2.5 mm long; keel 5.5-6 mm long. Ovary densely pubescent, ovules 13. Style 4-4.5 mm long, glabrous or with a few scattered hairs. Fruit elliptic to oblong, mostly 4-7 cm \times 1.3-1.6 cm, pubescent with short and long hairs; stipe 4-8 mm long. Seeds 1-3, oblong-reniform, the hilum in a submedial sinus; testa brown. **Fig. 1 A-C.**

Queensland, MORETON DISTRICT: Picnic Rock Track, Lamington National Park, Jan 1984, Jessup 581 & Daly (BRI, CANB, K, L, MEL, MO, NE, NSW); Jessup 584 (BRI, NE); Currumbin Valley, May 1985, Jones 1807 (BRI, K, L, NSW, QRS); Binna Burra, Lamington National Park, without date, Kouskos [BRI 013246] (BRI); Roberts Plateau, Lamington National Park, Mar 1920, White s.n. (BRI). New South Wales. NORTH COAST: Brummies Lookout, approx 2 km SW of Mt Warning, Apr 1979, Jessup 192 (BRI).

Austrosteenisia glabristyla occurs mostly in complex notophyll vine forest on the ranges and adjacent footslopes from the McPherson Range, Queensland to the Dorrigo Plateau, New South Wales (Williams 1980).

In describing *Millettia blackii* (*Austrosteenisia blackii*), Mueller (1861) noted 'stipulae nullae' and White, in comparing this species with his *Lonchocarpus stipularis* (*Austrosteenisia stipularis*) also referred to 'the absence of peltate stipules'. Peltate stipules in fact occur in all three species of *Austrosteenisia* but being extremely caducous are to be seen only on specimens bearing newly expanding foliage.



Fig. 1. *Austrosteenisia glabristyla*: A. habit (Jessup 581 & Daly) \times 1. B. flower (Jessup 581 & Daly) \times 4. C. legume (Jessup 584) \times 1. *A. blackii*: D. flower (Jessup 22) \times 4.

Key to species of *Austrosteenisia*

1. Stipellae absent **A. stipularis**
 Stipellae present 2
2. Leaflets 7–11, ovate to obovate, length 1–3 times width. Flowers dark maroon; style densely bearded along upper edge **A. blackii**
- Leaflets 9–15, oblong-lanceolate or oblanceolate, length 3–6 times width. Flowers mauve and white; style glabrous or with a few scattered hairs **A. glabristyla**
- Imperfect material in the Queensland Herbarium suggests there are further taxa of *Austrosteenisia* in north Queensland.

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